

Nov. 21, 2002 2:09PM

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9/05/015

CONSOL Energy Inc.

Emery Mine

P.O. Box 527
Emery, Utah 84522

FACSIMILE

DATE 11/21/02

From:

To:

Name

Employee:

Department

Letter to:

No. of Originals

Special Instructions:

~~I will forward the~~
~~Scanned copies~~

EMERY MINE FAX # 435-286-3516
OFFICE # 435-286-3506

11/22
Angela -
Here's the final
via fax.
He's sending the
hard copies.

CONSOL ENERGY

Emery Mine
P.O. Box 527
Emery, Utah 84522
Phone: (435) 236-2301

November 21, 2002

Pamel Grubaugh-Litig, Permit Supervisor
Department of Natural Resources
Division of Oil, Gas and Mining
1582 West Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Clear Copies of Deficiency Response for Installation of a Transmitter Line,
Emery Deep Mine, CJ1501-C2D-1

Dear Mrs. Grubaugh-Litig:

In response to the Division's Request for clean copies of pages/plates that are to be inserted into Emery Mine's MRP, please find enclosed five clear copies addressing the deficiencies. Pages and/or drawings that were not modified and submitted as "clean copies" have not been re-submitted with this submittal.

If you have any questions or concerns, please free to contact me at (425) 285-2301 or Tira Kinschbaum at (613) 625-6847.

Sincerely,



Seth McCourt
Mining Engineer

CHAPTER II**OPERATION PLAN****PARTS**

PARTS	PAGE
II.A STRUCTURES AND FACILITIES	1-19
II.B DRAINAGE CONTROLS	20-21
II.C PLACEMENT AND HANDLING OF MATERIALS	22-24
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PLATES

II.1 STRUCTURES AND FACILITIES: MAIN PORTAL AREA	Map Pocket
II.2 STRUCTURES AND FACILITIES: REFUSE DISPOSAL AREA	Map Pocket
II.3 4 TH EAST PORTAL OVERHEAD POWER LINE	Map Pocket

4th East Portal Transmission Line

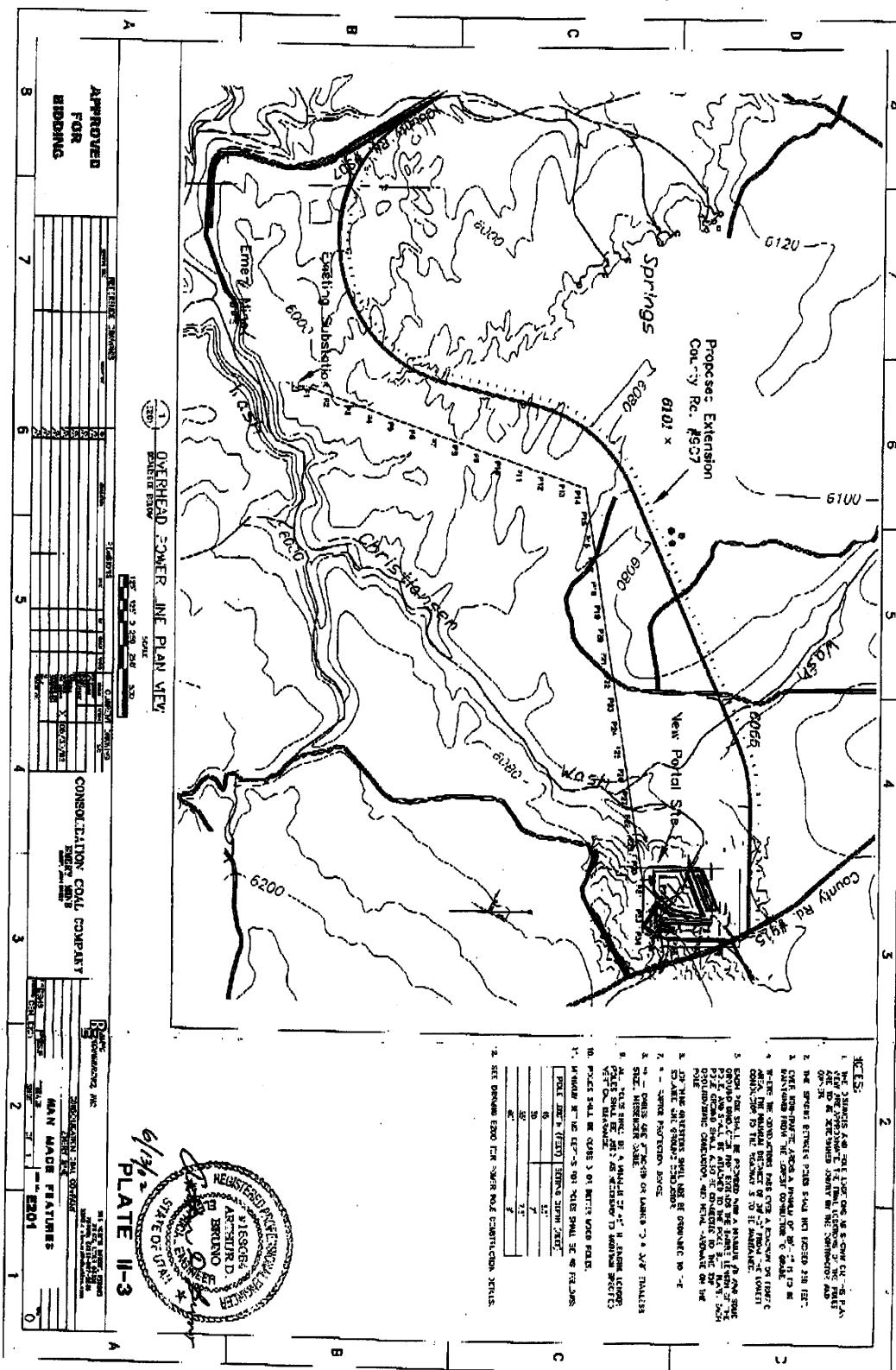
Map Code: Identified on Plate II-3
Status: Proposed

The proposed transmission line will start at the existing substation and extend approximately 1.4 miles northeast to the 4th East Portal Site. This line will consist of two 7200 KVA line units feeding the surface facilities and the other for underground. There will be a Communicator Line on the power poles for underground to surface communications. The transmission line will require installation of approximately 38 wood, power poles at a setting depth ranging from 6, 5' to 8' (depending on pole length). Raptor protectors shall be installed as shown on Plate IX-4. The two corners will be provided with wrap around insulators as well as anywhere there is not 60' of clearance between phases and/or grounding. During installation of the transmission line, only the area of the poles will be disturbed. Since the total area of all the poles is so small (approximately 0.002 acres total), topsoil will not be removed. In the event that more topsoil or vegetation is disturbed, it will be reclaimed as specified in Chapter VII.C.4.

The entire length of the transmission line is inside the approved Mine Permit Boundary (ACT 10-51-05). There are no current projections to extend the transmission line outside of the Mine Permit Boundary.

Areas that have been identified by Environmental Surveys as having the potential to include Environmentally Sensitive Species or Endangered Species or potential habitat for such (Appendix VII-2, Threatened, Endangered and Sensitive Species, JBR Environmental Consultants, August 2002) have been identified in the field and will be avoided. These areas include wetland and riparian vegetation which will also be avoided. Much of the transmission line can be installed using existing dirt roads reducing the potential to area disturbance. The operator will utilize the existing roads or take the shortest overland route possible for pole placement.

A Cultural Resource Survey was performed by Montgomery Archaeological Consultants in August of 2002 (Chapter X, Appendix 5-6). An area was identified and marked if the field as having historical significance. As recommended by the report, no power poles will be within 10' feet of the site and no vehicles will be allowed to cross the site.



disposed site within one (1) year of the construction of these two (2) facilities. Upon final cessation of active use, the final grading and backfilling as described in Chapter III.C.1 will be completed according to the reclamation schedule. Topselling and revegetation will be completed as detailed in Chapter III.E.1 and Chapter III.F.1. Additional detail concerning the design parameters and drainage control can be found in Chapter IV.C and Chapter VI.C respectively.

All surface hard areas affected by mining activities will be restored in a timely manner and reclaimed as contemporaneously as practicable with mining operations. Seeding and planting of disturbed areas will be conducted immediately after final site preparation and during the first annual period for favorable planting conditions. When necessary to effectively control erosion, any disturbed area will be seeded and planted, contemporaneously with the completion of grading, with the temporary seed mix described in Chapter VII.C.3 until a permanent cover is established.

UMC 800.11-UMC 800.13, UMC 800.15-UMC 800.50

After the permit renewal application has been approved, but before the permit renewal is issued, a bond or bonds for performance will be filed with DOGM on the required form, furnished by DOGM to comply with UMC 800.11-UMC 800.13 and UMC 800.15-UMC 800.50.

UMC 800.14

The following information applies to the existing and anticipated near-surface disturbances at U.S. Energy Mine. Furthermore it is assumed that these costs shall be updated with each permit renewal and therefore only reflect the cost of reclamation during the permit term. For additional detail of the unit costs and assumptions for this estimate, please refer to Chapter IV.B.

Existing Facilities

Reclamation Costs at Time of Abandonment

<u>Item</u>	<u>Cost</u>
Structure Demolition and Removal	\$221,369
Backfilling and Grading	583,390
Topsoil Preparation and Distribution	86,580
Revegetation	146,270
Erosion Control	36,650
Incidental Disturbances	<u>15,642</u>
Total	\$1,090,469
10% Maintenance and Monitoring Costs	109,047
10% Contingency and Engineering Costs	109,347
Total Reclamation Cost (1998 Dollars)	\$1,308,852

Revise: 4/20/02
Review: 7/2002

reclamation of the site. Properly graded riprap in excess of 155 lbs/cubic feet will be used in exit section of the reconstructed channel. This area involve the narrowest section of the original channel providing the higher flow velocity. Riprap will be angular in shape and consist of a durable rock. Riprap will be keyed into the surrounding confluence with the original channel. Riprap shall be placed along the side slopes to prevent erosion.

The temporary stream diversion will be reclaimed by backfilling the channel with material at 12m from the excavation material stockpile. The backfilled material will be contoured into the adjacent topography to within 6 inches of the approximate original contour. Topsoil will then be spread over the area and blended in to the adjacent.

The airshaft's concrete collar will be broken off 5 feet below the surface. The entire shaft will be backfilled with non-toxic, non-combustible material. The shaft will then be capped and marked.

The coal handling and loading structures and associated facilities (water tank, rock dust bin, conveyor, substation, powerlines) will be removed. All concrete pilars and foundations are to be removed. The coal fines will be handled as described in Chapter III.B.1. Non-toxic material contained within the perimeter and safety berms will be used as fill material over the coal handling site. Topsoil will be respread over the area.

Final reclamation of the excavation pile will involve removing all fill material. The original in-place topsoil will be sampled and analyzed. Soil loosened and seeded in accordance with the approved plan.

The locally stored topsoil will then be spread on the disturbed areas. For additional detail concerning topsoil and revegetation, please refer to Chapter III.E.1 and III.F.1 respectively. Please refer to Chapter IV.A.2 for detail concerning the design and required volumes of backfill the portal.

The transmission line from the substation to the 4th East Portal will be removed. Conductor cables will be rolled up and disposed of properly and wood power poles will be cut off at ground level. No curving or reclamation of the area will be required due to the corridor being having minimal disturbance. In the event that the area is disturbed, it shall be reclaimed with the approved plan.

Description	Volume/Length/ Weight	Unit	Cost/Unit	Unit	Cost
Truck Scale - Old					
Buildng. - None					
Light Concrete					
Fill to bring to grade					
Scrap - Removal					
Truck Scale - New					
Tin Sled - Demolition					
Debris Removal (Landfill)					
Light Concrete					
Fill to bring to grade					
Steel Salvage					
Ridge Knockdown: Creek					
Concrete (buz) - rough conditions over \$30/cu.yd work	50 cu.yd.	\$150.00	cu.yd.		\$7,500
Sewage Pumping Station					
Block Building - Demolition					
Block Removal					
Wood Roof (land fill)					
Light Concrete					
Fill to bring to grade					
Boring & Pump Facilities					
Cement Fill (Pump #1)	25 cu.yd.	\$554	cu.yd.		\$5,49
Concrete Fill (Pump #2)	6 cu.yd.	\$30.00	cu.yd.		\$180
Cement Fill (2ump #3)	5 cu.yd.	\$13.00	cu.yd.		\$65
Light Concrete	- cu.yd.	\$20.00	cu.yd.		\$20
Fill to bring to grade	115 cu.yd.	\$2.50	cu.yd.		\$288
Boring & Pump Facilities					
Cement Fill (Pump #1)	10 cu.yd.	\$86.00	cu.yd.		\$860
Concrete Fill (Pump #2)	10 cu.yd.	\$80.00	cu.yd.		\$800
Cement Fill (2ump #3)	22 cu.yd.	\$82.00	cu.yd.		\$1,792
Light Concrete demolition (total of all three sites)	3.5 cu.yd.	\$30.00	cu.yd.		\$105
Remove Foundations					
Metal Storage Building					
Steel Building - Demolition					
Steel Removal	2 loads	\$165.00	loads		\$330
Light Concrete (buz)	8 cu.yd.	\$90.00	cu.yd.		\$720

Description	Volume/Length/ Weight	Unit	Cost/Unit	Unit	Cost
✓ East Portal Garage	4,000	1 ft.	\$1.00	1 ft.	\$4,000
4 East - Top 9					
Cusher Building (steel)	600	cu. yd.	\$5.94	cu.yd.	\$3,564
Steel Removal					
Conveyor	5	loads	\$165.00	load	\$825
(900 ft. "5 ft. 3 in. 27 cu. yd.)		cu.yd.	\$5.94	ton	\$3,346
Footings (bury)	150	cu.yd.	\$90.00	cu.yd.	\$13,500
✓ East Flock Dust Silo					
Steel Hooper - Demolition	112	cu.yc.	\$5.94	per yd.	\$655
Steel Removal	2	brace	\$165.00	load	\$330
Footings (bury)	18	cu.yd.	\$90.00	cu.yd.	\$1,620
TOTAL STRUCTURE REMOVAL COST					\$221,869

CHAPTER VII VEGETATION

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VII.- BIOMASS IMPACTS AT THE 4 TH EAST PORTAL AREA M. Nabo Scientific, Inc., May 2002	
VII-2 THREATENED, ENDANGERED, and Sensitive Species Survey <u>PLATES</u> Report, JBA Environmental Consultants, Inc., August 2002	
VII-1 VEGETATION & LAND USE MAP	

Nov. 21, 2002 2:11PM

No. 3310

P. 11



United States Department of the Interior

FISH AND WILDLIFE SERVICE

Utah Field Office
220 West Main Street, Suite 100
West Valley City, Utah 84114

OCT 11 2002

October 11, 2002

Mr. Larry Haddock
Permit Supervisor
1592 west North Temple, Suite 1210
P.O. Box 14501
Salt Lake City, Utah 84114-501

Dear Mr. Haddock:

On September 24, 2002, Larry Englund of our office surveyed for threatened and endangered plants on the site for the proposed electrical transmission line to the new plant of the Consolidated Coal Company in Emery County. He found no individual or suitable habitat of federally listed threatened and endangered species. The Service considers the site cleared for presence of T&E plants.

We appreciate the opportunity to provide these comments. If you need further assistance, please contact: Diana Washington, Fish and Wildlife Biologist at the letterhead address or (801) 975-3330 ext. 128

sincerely,

Henry R. Maden
Utah Field Supervisor

suspended soil loads in streams, 2) preventing contamination of stream-waters by heavy metals, and 3) mitigating the loss of water from dewatering aquifers by pumping water collected in the back into the stream systems after the quality is deemed suitable. If streams are displaced by any mining activities, reclamation will achieve development of a stream channel similar in character to that channel which existed prior to disturbance.

Many of these recommendations have been suggested by Mr. Larry Dalton of the Utah Department of Wildlife Resources.

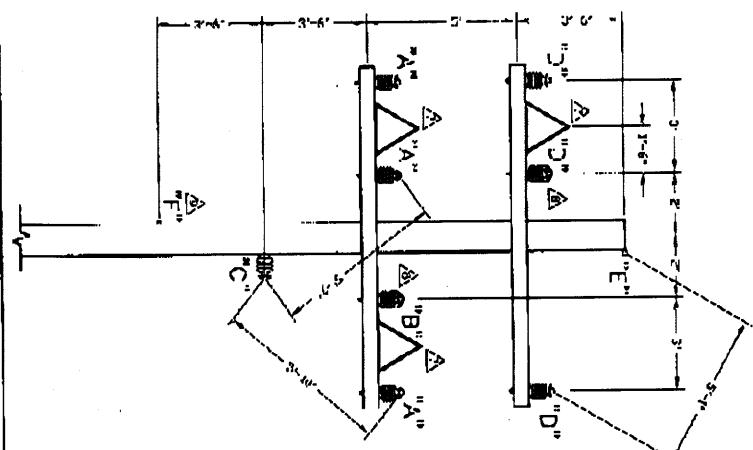
For the #2 borehole pump facility, a power line was constructed in accordance with UMC 917.97(c) regarding raptor protection. The power line uses three different types of common power-pole structures, and they are: single pole with crossarm, angle structure and T-structure. They are shown on plates IX-1, IX-2 and IX-3, respectively.

As can be seen on Plate IX-1 for the single pole with crossarm structure, an insulating tube is used on the center phase to allow compliance for the structure.

For the angle structure as shown on Plate IX-2, the structural arrangement is such that there is no place for the raptor to land. Also, all conductors lie in a vertical plane, spacing between any two conductors is four feet, and there is no crossarm involved.

For the H-structure shown on Plate X-3, the spacing between phase conductors is 6C inches.

Plate IX-4 shows the general arrangement of a single pole with 2 cross arms. Raptor protection is placed between the conductor and cattle preventing raptors from landing between the cables and conductors.

8
7
6
5
4

20-E LINE CONDUCTOR

CONDUCTOR NUMBER AND POSITION ON POLE	CONDUCTOR NUMBER AND POSITION ON POLE	CONDUCTOR NUMBER AND POSITION ON POLE
A	2164	1
B	210	1
C	110	1
D	210	1
E	110	1
F	110	1

1 MCK - 1 PHASE, TYPE EATC, "WIREMAN"
NAME, 1050' RECESSED BACKUP POLE

NOTES:

1. SEE DRAWING NO. 20-E FOR APPROVAL POLE LOCATIONS. THE DRAW. LOCATIONS OF CONDUCTORS ARE DETERMINED BY THE CONTRACTOR FEED CONDITIONS RECORDED.
2. THE SPACING BETWEEN POLES SHOULD NOT EXCEED 220'-0".
3. OVER NO. 14-GUARD WIRES & WIRE NO. 14-22-G" IS TO BE MAINTAINED FROM THE GROUND CONDUCTOR TO THE INSULATED GROUND CONDUCTOR.
4. WHEN THE GROUND CONDUCTOR PASSES OVER A ROADWAY OR TRAFFIC AREA, THE MINIMUM DISTANCE FROM THE GROUND CONDUCTOR TO THE INSULATED GROUND CONDUCTOR SHALL BE 10'-0". THE GROUND CONDUCTOR AND GROUND CONDUCTOR SHALL BE CONNECTED TO THE GROUND CONDUCTOR AND GROUND CONDUCTOR.
5. GROUND CONDUCTOR SHALL NOT BE CONNECTED TO THE SURGED WIRE (GROUND CONDUCTOR).
6. ▲ - FREE SWING - APPROXIMATE PROJECTION DESIGN.
7. ▲ - RUST PROTECTION SEAL (RADIUS 40MM OR APPROX. 1.6 IN. DIAMETER).
8. ▲ - POLES ARE ATTACHED OR SECURED TO A LONG STAINLESS STEEL MEASURING TAPE SPECIFIED VERTICAL ALIGNMENT.
9. ALL POLES SHALL BE A MINIMUM OF 4" X 4" IN. I.D.E.T. OTHER POLES SHALL BE USED.
10. POLES SHALL BE GAGES 3 OR BETTER AND POLES.
11. LATERAL SETTING DIMS FOR POLES SHALL BE AS FOLLOW:

FOOT LENGTH (FEET) SETTING DEPTH (FEET):

4'	5"
5'	7"
6'	7"

APPROVED
FOR
CONSTRUCTION

REF ID	REFERENCE DRAWINGS	REVISED	CURRENT DRAWING	REVISIONS		
				DATE	NO.	TYPE
1	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
2	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
3	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
4	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
5	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
6	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
7	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000
8	100-1000	3-27-02	SUR 02	10-02	100-1000	100-1000

CONSOLIDATION
PAGE

CHAPTER X**PART A: CULTURAL RESOURCES**

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| 5.0 ARCHEOLOGICAL EVALUATION - AERC, 1980 | |
| 5-1 ARCHEOLOGICAL EVALUATION - AERC, '981 | |
| 5-2 ARCHEOLOGICAL EVALUATION - M.S. BERRY, 1975 | |
| 5-3 ARCHEOLOGICAL EVALUATION - AERC, '988 | |
| 5-4 ARCHEOLOGICAL SITE FORMS | |
| 5-5 ARCHEOLOGICAL EVALUATION - MONTGOMERY
ARCHEOLOGICAL CONSULTANTS, MAY 2002 | |
| 5-6 ARCHEOLOGICAL EVALUATION - MONTGOMERY
ARCHEOLOGICAL CONSULTANTS, AUGUST 2002 | |
| <u>PLATES</u> | |
| X-A-1 PERMIT AREA CULTURAL RESOURCES | MAP POCKET |

X.A. CULTURAL RESOURCES

This part presents the archaeological, historical, and paleontological information in and adjacent to the permit area. This information is contained in four (4) survey reports which are appended to this part.

The first referred to herein as "Chapter 5.C." was prepared by AERC in October of 1980. The second, referred to herein as "Appendix 5-1", was prepared by AERC in July of 1981. The third referred to herein as "Appendix 5-2", was prepared by Michael S. Berry, Utah Division of State History, in March of 1975. The fourth survey report, Appendix 5-3, was completed by AERC in October, 1988. The site forms are attached in a fifth section, referred to as "Appendix 5-4". The fifth survey report, Appendix 5-5, was completed by Montgomery Archaeological Consultants in May of 2002. This report covers 40 acres surrounding and including the 4th East Portal Site. The sixth referenced survey report, Appendix 5-6, covers 118 ± East Powderline Corridor and was completed by Montgomery Archaeological Consultants in August of 2002. One site identified as historically significant was marked in the field and will be avoided as recommended by Montgomery.

These survey reports have not been edited or revised for this repermil application; they were originally prepared for the March 23, 1981 permit application (approved as ACTD015/015 on January 7, 1986) and subsequent revisions and are included herein in their entirety.

UMC 783.12(b)

The attached investigations describe all of the known archaeological sites in the permit area. A compendium is included which consolidates information on all of the sites.

UMC 783.24(l)(1)(k)

Each of the attached investigations contain maps showing the locations of known archaeological sites. Plate X-A, combines all of these locations on a single map at a scale of 1'-500'. This plate also shows areas of surface disturbance according to the plan of operations. There are no Indian burial grounds in or within 100 feet of the permit area. There are no lands in the area which are within the boundaries of any units of the National System of Trails or the Wild and Scenic Rivers System.

UMC 784.17

There are no historic places which would be adversely affected by the operation, within or adjacent to the permit area.